

Resource Summary Report

Generated by [NIF](#) on Aug 21, 2026

RatMine

RRID:SCR_004190

Type: Tool

Proper Citation

RatMine (RRID:SCR_004190)

Resource Information

URL: <http://ratmine.mcw.edu/ratmine/begin.do>

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Description: RatMine integrates data from RGD, UniProtKB, NCBI, KEGG and other sources to form a web-based data warehouse and tool set tailored for rat based data research. Search RatMine by entering names, identifiers, or keywords for genes, proteins, pathways, papers, etc. Additionally, we support programmatic access to our data through Application Programming Interface - choose from Perl or Java API. RatMine is a data warehouse that integrates many diverse biological data sets. The main focus is R. norvegicus genomics and proteomics. By integrating such data into one place it is possible to construct queries across domains of biological knowledge. The RatMine user interface is designed to go beyond simply looking up an identifier and viewing a report page. Some of the features include: * Quick Search is available just like on other sites, type in an identifier to see a report page. * Template queries are "canned" queries that provide a simple form to perform a specific task. You can create your own templates if you log in. * Lists lets you operate on whole lists of data at once. You can upload lists or save them from results tables. We also create useful public lists for everyone to use. * MyMine lets you create an account to save your own queries, bags and templates, as well as marking public templates as favorites.

Resource Type: analysis service resource, data access protocol, data analysis service, data or information resource, database, production service resource, service resource, software resource, web service

Keywords: disease, interaction, proteins, single nucleotide, gene ontology, mammalian phenotype, publication, genomics, pathway, quantitative trait loci, bio.tools

Resource Name: RatMine

Resource ID: SCR_004190

Alternate IDs: biotools:RatMine, nlx_21635

Alternate URLs: <https://bio.tools/RatMine>

Record Creation Time: 20220129T080223+0000

Record Last Update: 20260821T193723+0000

Ratings and Alerts

No rating or validation information has been found for RatMine.

No alerts have been found for RatMine.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Khalifa A, et al. (2024) Prenatal alcohol exposure alters expression of genes involved in cell adhesion, immune response, and toxin metabolism in adolescent rat hippocampus. PloS one, 19(1), e0293425.

Koslowski S, et al. (2020) An Overview of In Vivo and In Vitro Models for Autosomal Dominant Polycystic Kidney Disease: A Journey from 3D-Cysts to Mini-Pigs. International journal of molecular sciences, 21(12).

Wang SJ, et al. (2013) Analysis of disease-associated objects at the Rat Genome Database. Database : the journal of biological databases and curation, 2013, bat046.

Chen YA, et al. (2011) TargetMine, an integrated data warehouse for candidate gene prioritisation and target discovery. PloS one, 6(3), e17844.

Petri V, et al. (2011) The Rat Genome Database pathway portal. Database : the journal of biological databases and curation, 2011, bar010.